

## 00360899.TXT

## SEQUENCE LISTING

<110> Lobley, Anna Elizabeth  
 Michalovich, David  
 Stancovski, Ilana  
 Allen, Kathryn Elizabeth  
 Allen, Janet Marjorie  
 Osypenko, Vadym Nikolaevich  
 Gurney, Alison Marion

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Trp Pro Ser Leu Phe Asn Val Asn Leu Ser Lys Lys Val Gln Glu Ser  
35 40 45

Ile Gln Ile Pro Asn Asn Gly Ser Ala Pro Leu Leu Val Asp Val Arg  
50 55 60

Val Phe Val Ser Asn Val Phe Asn Val Asp Ile Leu Arg Tyr Thr Met  
65 70 75 80

Ser Ser Met Leu Leu Leu Arg Leu Ser Trp Leu Asp Thr Arg Leu Ala  
85 90 95

Trp Asn Thr Ser Ala His Pro Arg His Ala Ile Thr Leu Pro Trp Glu  
100 105 110

Ser Leu Trp Thr Pro Arg Leu Thr Ile Leu Glu Ala Leu Trp Val Asp  
115 120 125

Trp Arg Asp Gln Ser Pro Gln Ala Arg Val Asp Gln Asp Gly His Val  
130 135 140

Lys Leu Asn Leu Ala Leu Ala Thr Glu Thr Asn Cys Asn Phe Glu Leu  
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Leu His Phe Pro Arg Asp His Ser Asn Cys Ser Leu Ser Phe Tyr Ala  
165 170 175

Leu Ser Asn Thr Ala Met Glu Leu Glu Phe Gln Ala His Val Val Asn  
180 185 190

Glu Ile Val Ser Val Lys Arg Glu Tyr Val Val Tyr Asp Leu Lys Thr  
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Gln Val Pro Pro Gln Gln Leu Val Pro Cys Phe Gln Val Thr Leu Arg  
210 215 220

Leu Lys Asn Thr Ala Leu Lys Ser Ile Ile Ala Leu Leu Val Pro Ala  
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Glu Ala Leu Leu Leu Ala Asp Val Cys Gly Gly Leu Leu Pro Leu Arg  
245 250 255

Ala Ile Glu Arg Ile Gly Tyr Lys Val Thr Leu Leu Leu Ser Tyr Leu  
260 265 270

Val Leu His Ser Ser Leu Val Gln Ala Leu Pro Ser Ser Ser Cys  
275 280 285

Asn Pro Leu Leu Ile Tyr Tyr Phe Thr Ile Leu Leu Leu Leu Phe  
290 295 300

Leu Ser Thr Ile Glu Thr Val Leu Leu Ala Gly Leu Leu Ala Arg Gly  
305 310 315 320

Asn Leu Gly Ala Lys Ser Gly Pro Ser Pro Ala Pro Arg Gly Glu Gln  
325 330 335

Arg Glu His Gly Asn Pro Gly Pro His Pro Ala Glu Glu Pro Ser Arg  
340 345 350

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Gly Val Lys Gly Ser Gln Arg Ser Trp Pro Glu Thr Ala Asp Arg Ile  
355 360 365

Phe Phe Leu Val Tyr Val Val Gly Val Leu Cys Thr Gln Phe Val Phe  
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Val Phe Val Ser Asn Val Phe Asn Val  
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20 25 30Asn Phe Glu Leu Leu His Phe Pro Arg Asp His Ser Asn Cys Ser Leu  
35 40 45

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Ser Phe Tyr Ala Leu Ser Asn Thr Ala  
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<213> Homo sapiens

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Leu Arg Ala Ile Glu Arg Ile Gly Tyr Lys Val Thr Leu Leu Leu Ser 60  
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Tyr Leu Val Leu His Ser Ser Leu Val Gln Ala Leu Pro Ser Ser Ser 120  
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<213> Homo sapiens

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Ala Pro Gly Glu Ala Ala Pro His Glu Arg Arg Pro Arg Lys  
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 Ile Gln Ile Pro Asn Asn Gly Ser Ala Pro Leu Leu Val Asp Val Arg  
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 Val Phe Val Ser Asn Val Phe Asn Val Asp Ile Leu Arg Tyr Thr Met  
 65 70 75 80  
 Ser Ser Met Leu Leu Arg Leu Ser Trp Leu Asp Thr Arg Leu Ala  
 85 90 95  
 Trp Asn Thr Ser Ala His Pro Arg His Ala Ile Thr Leu Pro Trp Glu  
 100 105 110  
 Ser Leu Trp Thr Pro Arg Leu Thr Ile Leu Glu Ala Leu Trp Val Asp  
 115 120 125  
 Trp Arg Asp Gln Ser Pro Gln Ala Arg Val Asp Gln Asp Gly His Val  
 130 135 140  
 Lys Leu Asn Leu Ala Leu Ala Thr Glu Thr Asn Cys Asn Phe Glu Leu  
 145 150 155 160  
 Leu His Phe Pro Arg Asp His Ser Asn Cys Ser Leu Ser Phe Tyr Ala  
 165 170 175  
 Leu Ser Asn Thr Ala Met Glu Leu Glu Phe Gln Ala His Val Val Asn  
 180 185 190  
 Glu Ile Val Ser Val Lys Arg Glu Tyr Val Val Tyr Asp Leu Lys Thr  
 195 200 205  
 Gln Val Pro Pro Gln Gln Leu Val Pro Cys Phe Gln Val Thr Leu Arg  
 210 215 220  
 Leu Lys Asn Thr Ala Glu Phe Arg Arg Pro Leu Phe Tyr Val Val Ser  
 225 230 235 240  
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 245 250 255  
 Tyr Leu Pro Pro Asn Ser Gly Glu Arg Val Ser Phe Lys Ile Thr Leu  
 260 265 270  
 Leu Leu Gly Tyr Ser Val Phe Leu Ile Ile Val Ser Asp Thr Leu Pro  
 275 280 285  
 Ala Thr Ala Ile Gly Thr Pro Leu Ile Gly Val Tyr Phe Val Val Cys  
 290 295 300  
 Met Ala Leu Leu Val Ile Ser Leu Ala Glu Thr Ile Phe Ile Val Arg  
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 Leu Val His Lys Gln Asp Leu Gln Gln Pro Val Pro Ala Trp Leu Arg  
 325 330 335  
 His Leu Val Leu Glu Arg Ile Ala Trp Leu Leu Cys Leu Arg Glu Gln  
 340 345 350  
 Ser Thr Ser Gln Arg Pro Pro Ala Thr Ser Gln Ala Thr Lys Thr Asp  
 355 360 365

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Asp Cys Ser Ala Met Gly Asn His Cys Ser His Met Gly Gly Pro Gln  
 370 375 380  
 Asp Phe Glu Lys Ser Pro Arg Asp Arg Cys Ser Pro Pro Pro Pro Pro  
 385 390 395 400  
 Arg Glu Ala Ser Leu Ala Val Cys Gly Leu Leu Gln Glu Leu Ser Ser  
 405 410 415  
 Ile Arg Gln Phe Leu Glu Lys Arg Asp Glu Ile Arg Glu Val Ala Arg  
 420 425 430  
 Asp Trp Leu Arg Val Gly Ser Val Leu Asp Lys Leu Leu Phe His Ile  
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 Ser Ile Trp Gln Tyr Ala  
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 Ala Leu Leu Arg Leu Ser Asp Tyr Leu Leu Thr Asn Tyr Arg Lys Gly  
 35 40 45  
 Val Arg Pro Val Arg Asp Trp Arg Lys Pro Thr Thr Val Ser Ile Asp  
 50 55 60  
 Val Ile Val Tyr Ala Ile Leu Asn Val Asp Glu Lys Asn Gln Val Leu  
 65 70 75 80  
 Thr Thr Tyr Ile Trp Tyr Arg Gln Tyr Trp Thr Asp Glu Phe Leu Gln  
 85 90 95  
 Trp Asn Pro Glu Asp Phe Asp Asn Ile Thr Lys Leu Ser Ile Pro Thr  
 100 105 110  
 Asp Ser Ile Trp Val Pro Asp Ile Leu Ile Asn Glu Phe Val Asp Val  
 115 120 125  
 Gly Lys Ser Pro Asn Ile Pro Tyr Val Tyr Ile Arg His Gln Gly Glu  
 130 135 140  
 Val Gln Asn Tyr Lys Pro Leu Gln Val Val Thr Ala Cys Ser Leu Asp  
 145 150 155 160  
 Ile Tyr Asn Phe Pro Phe Asp Val Gln Asn Cys Ser Leu Thr Phe Thr  
 165 170 175  
 Ser Trp Leu His Thr Ile Gln Asp Ile Asn Ile Ser Leu Trp Arg Leu  
 180 185 190

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Pro Glu Lys Val Lys Ser Asp Arg Ser Val Phe Met Asn Gln Gly Glu  
195 200 205

Trp Glu Leu Leu Gly Val Leu Pro Tyr Phe Arg Glu Phe Ser Met Glu  
210 215 220

Ser Ser Asn Tyr Tyr Ala Glu Met Lys Phe Tyr Val Val Ile Arg Glu  
225 230 235 240

Phe Leu Lys Ser Ile Ile Ala Leu Leu Val Pro Ala Glu Ala Leu Leu  
245 250 255

Leu Ala Asp Val Cys Gly Gly Leu Leu Pro Leu Arg Ala Ile Glu Arg  
260 265 270

Ile Gly Tyr Lys Val Thr Leu Leu Leu Ser Tyr Leu Val Leu His Ser  
275 280 285

Ser Leu Val Gln Ala Leu Pro Ser Ser Ser Cys Asn Pro Leu Leu  
290 295 300

Ile Tyr Tyr Phe Thr Ile Leu Leu Leu Leu Phe Leu Ser Thr Ile  
305 310 315 320

Glu Thr Val Leu Leu Ala Gly Leu Leu Ala Arg Gly Asn Leu Gly Ala  
325 330 335

Lys Ser Gly Pro Ser Pro Ala Pro Arg Gly Glu Gln Arg Glu His Gly  
340 345 350

Asn Pro Gly Pro His Pro Ala Glu Glu Pro Ser Arg Gly Val Lys Gly  
355 360 365

Ser Gln Arg Ser Trp Pro Glu Thr Ala Asp Arg Ile Phe Phe Leu Val  
370 375 380

Tyr Val Val Gly Val Leu Cys Thr Gln Phe Val Phe Ala Gly Ile Trp  
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His Gly Arg Arg Pro Arg Leu  
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